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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,830	07/20/2006	Hidenobu Hamada	MTS-3606US	8939
52473 RATNERPRES	7590 05/26/200 STIA	EXAMINER		
P.O. BOX 980	CE DA 10492	PETKOVSEK, DANIEL		
VALLEY FOR	GE, PA 19482		ART UNIT	PAPER NUMBER
			2874	
		MAIL DATE	DELIVERY MODE	
			05/26/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Ap	plication No.		Applicant(s)				
		10	0/586,830		HAMADA, HIDENOBU				
		Ex	aminer		Art Unit				
		DA	ANIEL PETKOVS	EK	2874				
The l Period for Rep	MAILING DATE of this commun y	ication appears	on the cover s	heet with the co	orrespondence ac	ddress			
WHICHEVE - Extensions of after SIX (6) M - If NO period fc - Failure to reply Any reply rece	NED STATUTORY PERIOD F R IS LONGER, FROM THE M time may be available under the provisions ONTHS from the mailing date of this comr or reply is specified above, the maximum st within the set or extended period for reply ived by the Office later than three months term adjustment. See 37 CFR 1.704(b).	MAILING DATE s of 37 CFR 1.136(a). munication. tatutory period will app will, by statute, caus	OF THIS CON In no event, howeve ply and will expire SIX te the application to be	IMUNICATION r, may a reply be time ((6) MONTHS from the ecome ABANDONED	l. ely filed he mailing date of this o) (35 U.S.C. § 133).				
Status									
1)⊠ Respo	onsive to communication(s) file	ed on <i>applicatio</i>	on filed July 20	2006					
· · · · · · · · · · · · · · · · · · ·			ion is non-final.	<u></u>					
′ =		<i>,</i> —		al matters pro	secution as to the	e merits is			
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of	·	ioc anaci zii po	area Quayra, ta	20 0.2,	0 0 1 0 1 0 1 0 1				
·									
•	Claim(s) <u>1-29</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
•	5) Claim(s) is/are allowed.								
	(s) is/are rejected.								
•	(s) is/are objected to.								
8)⊠ Claim	(s) <u>1-29</u> are subject to restricti	on and/or elect	tion requiremen	t.					
Application Pa	pers								
9)∏ The sp	ecification is objected to by th	e Examiner.							
10)☐ The dr	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applica	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 3	35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice of Dra 3) Information D	erences Cited (PTO-892) ftsperson's Patent Drawing Review (F isclosure Statement(s) (PTO/SB/08) Mail Date	PTO-948)	5)	erview Summary (per No(s)/Mail Da btice of Informal Pa her:	te				

DETAILED ACTION

This office action is in response to the preliminary amendment filed July 20, 2006. In accordance with the preliminary amendment, claims 1, 3, 8, 12, and 23 have been amended, while new claim 29 has been added.

Claims 1-29 are pending.

Also, it is noted that if Group I, claims 1-22 and 29 were to be elected, claims 6-8 and 29 include a minor informality of "[Formula]" in the claim language. Correction is required.

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-22 and 29, drawn to a photonic crystal having first and second members, classified in Class 385, Subclass 129.

Group II, claims 23-28, drawn to a <u>method for manufacturing</u> a photonic crystal slab comprising particular method steps, classified in Class 438, Subclass 31.

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2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group II includes different special technical features, such as the *express and particular method* step limitations in making the photonic crystal. The three explicit steps presented by method claim 23 patentably distinguish Group II from Group I, in that the special technical feature of Group I being the particular optical device with apparatus features.

3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

CONCLUSION

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL PETKOVSEK whose telephone number is (571) 272-4174. The examiner can normally be reached on M-F 8:30-5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Uyen Chau Le can be reached on (571) 272-2397. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel Petkovsek/ Patent Examiner, Art Unit 2874 May 20, 2009